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TCS-1569-64/KH  
13 April 1964

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MEMORANDUM FOR: Executive Director, NPIC

SUBJECT: Monthly Report of the Technical  
Intelligence Division

Attached herewith is the monthly report for March 1964  
for the Technical Intelligence Division.

  
Chief, Technical Intelligence Division

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Attachment: a/s

Distribution:

Cy 1 & 2 - NPIC/OD  
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Attachment to  
TCS-1569-64/KHTHE TECHNICAL INTELLIGENCE DIVISION  
MONTHLY REPORT FOR MARCH 1964A. The Month That Was

1. It was a moderately heavy work load month for the Technical Intelligence Division. Material from 40 missions was handled during the month; three satellite missions, 24 Golden Tree, seven Lazy Daisy, one China and five Lucky Dragon. In TSB alone over 3,200 cans of film were routed through the Branch. The Division prepared several special studies involving Golden Tree, Lucky Dragon and satellite photography. Toward the end of the month, measurement projects were bunching up in TAB, but with the cooperation of PAG and PID, and a small amount of overtime, this was being worked out. One of the contributing factors to the project buildup was the slowdown in turn around time on projects employing KH-7 photography. Until the KH-7 computer program is operational (target date 1 May 1964) measurements involving this material must be hand-reduced, and this is time-consuming. Also, not knowing precise camera attitude, additional checks must be run on each measurement. TSB was also up to the overload point during the month and had not yet worked free at the end of the month.

2. There was a noticeable increase in national project effort during the month. National projects received in TAB and TSB went from 46 in February to 73 during March, and national projects completed went from 38 last month to 69 this month. Man hours applied thereto increased accordingly. In TAB and TSB there was a drop off in support projects received from 47 in February to 28 in March, and because of the March national effort there were fewer support projects completed this month - 50 in February to 27 in March. In these two Branches 57 per cent of their time went to national projects, while 14.5 per cent went to support projects (51 per cent and 26 per cent, respectively, in February). This was probably due in part to the input of two very successful satellite missions stimulating new requirements.

3. In the Computer Branch the computer programming effort proceeded on schedule with maximum work being done on the KH-7 system. It is the plan to have this program operational 1 May 1964. The 490 was operated 228 hours during the month, 52 hours beyond normal prime shift. This 52 hours overrun reflects support to CSD/ADP, special weekend support to TAB on 4006 and additional debugging runs that required debugging at the console. On an experimental basis a manual input on line operation was established between PID and TID/CB 490 Computer.

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for March 1964Attachment to  
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1. Instrument time related to TAB measurement work totaled 404 hours, while TSB totaled 76 hours on densitometers and other equipment related to film evaluation. It is of interest to note that in the accomplishment of measurement support work and vehicle attitude analysis, the personnel in TAB made a total of 83,548 instrument pointings during the month.

**2. Frames of Photography Plotted**

<u>Type of System</u>	<u>March</u>	<u>To Date</u>
a. KH-4		11,631
b. KH-7	457	457
c. TALENT (Large Scale)	122,350	353,392
d. TALENT (Small Scale)	4,327	10,995
Totals	127,134	376,475

**3. Square Nautical Miles of Photography Plotted**

<u>Type of System</u>	<u>Sq NM</u>
a. KH-4	0
b. KH-7	292,845 Est.
c. TALENT (LS)	1,825,912 Est.
d. TALENT (SS)	450,000 Est.
Total	2,568,756 Est.

**4. Materials Prepared**

	<u>Published in March</u>	<u>Published in 1964</u>
a. Coverage Plots MCP	292	792
b. Cuba Coverage Plots	24	69
c. MCPS	8	33
d. ACG	0	7
e. Evaluation Lazy Daisy	3	3
f. Evaluation (GT)	24	69

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Materials Prepared (Continued)

	<u>Published in March</u>	<u>Published <del>into</del> 1964</u>
g. Evaluation (KH)	3	7
h. Cloud Coverage Statistical Report (KH)	2	6
i. Cutting and Editing (Trackers) (at NPIC)	6	6
j. Cutting and Editing (Large-Scale) (at NPIC)	3	3

Two sets of attitude graphs for each of Missions 4006 and 1004-2.

5. Technical Manuals in Preparation

- a. Camera System 115A
- b. Camera System 116A
- c. Camera System 112B

6. TDY at EK

	<u>Location</u>	<u>Date(s)</u>
a.	EK	1-4 March 1964
b.	EK	16-18 March 1964
c.	EK	16-18 March 1964
d.	EK	16-18 March 1964
e.	EK	16-18 March 1964

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<u>Total</u>	<u>Total</u>
<u>Man Days - March</u>	<u>Man Days - 1964</u>
16	67

C. Meetings and Visitors

During the month TID hosted 19 different groups for meetings, totaling 47 people. Most of these meetings were in regard to system performance analysis, film evaluation and equipment development with the following activities represented: NRO, DIA, OSA, AF, SAC, First SACBM, SAFSP, Eastman Kodak, ITEK, IMSC, Autometrics, Aeroflex, [redacted]

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In meetings outside TID, four

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Division personnel visited Perkin-Elmer and Eastman Kodak to discuss technical equipment; [ ] represented TID at 4006 PET at Westover Air Force Base; [ ] attended the SE meeting at IMSC; [ ] represented TID at NRO critique of 4006; [ ] attended one week Management school; [ ] represented TID at a special briefing for senior DOD personnel by PAG; and [ ] attended SPIE symposium.

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D. Training

The two sections of the analytical photogrammetry course continued through the month.

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Month March 1964

## PROJECT SUMMARY

For TAB and TSB

Projects				Instrument Pointings for Measure- ments	Project Man Hours this Month			Total M/H 8264	Uncompleted Projects			
Received		Completed			Reg. Time	O.T.	Total Time	% of Total	As of, - 1 Apr 64		Average Last <u>3</u> Mo.	
In Mar.	1 Jan to - 1 Apr.	In Mar.	1 Jan to - 1 Apr.							Est. Man Hours	No.	Est. Man Hours
					5361	551	5912	71.6%	No.		No.	

National Total	73	178	69	175	78,289	4163	551	4714	57.1%	50	4406	39	3148
OAK	1	2	2	2	550	56	3	59	.7%				
Imm													
Detail	22	64	34	63	54,091	1043	0	1043	12.7%	18	1698	12	1268
Other	50	112	33	110	23,648	3064	548	3612	43.7%	32	2708	27	1880

Support Total	28	127	27	107	5,259	1198	0	1198	14.5%	35	1506	31	2348
NPIC	2	2	4	12		553		553	6.2%	20	815	13	1845
CIA	22	103	23	95	5,259	602	0	602	7.3%	11	480	17	432
DIA	2	2								2	200	0.5	67
SPAD				2									
Other	2	20				43		43	0.9%	2	11	.5	4

National Support Total	101	305	96	282	83,548	5361	551	5912	71.6%	85	5912	70	5496
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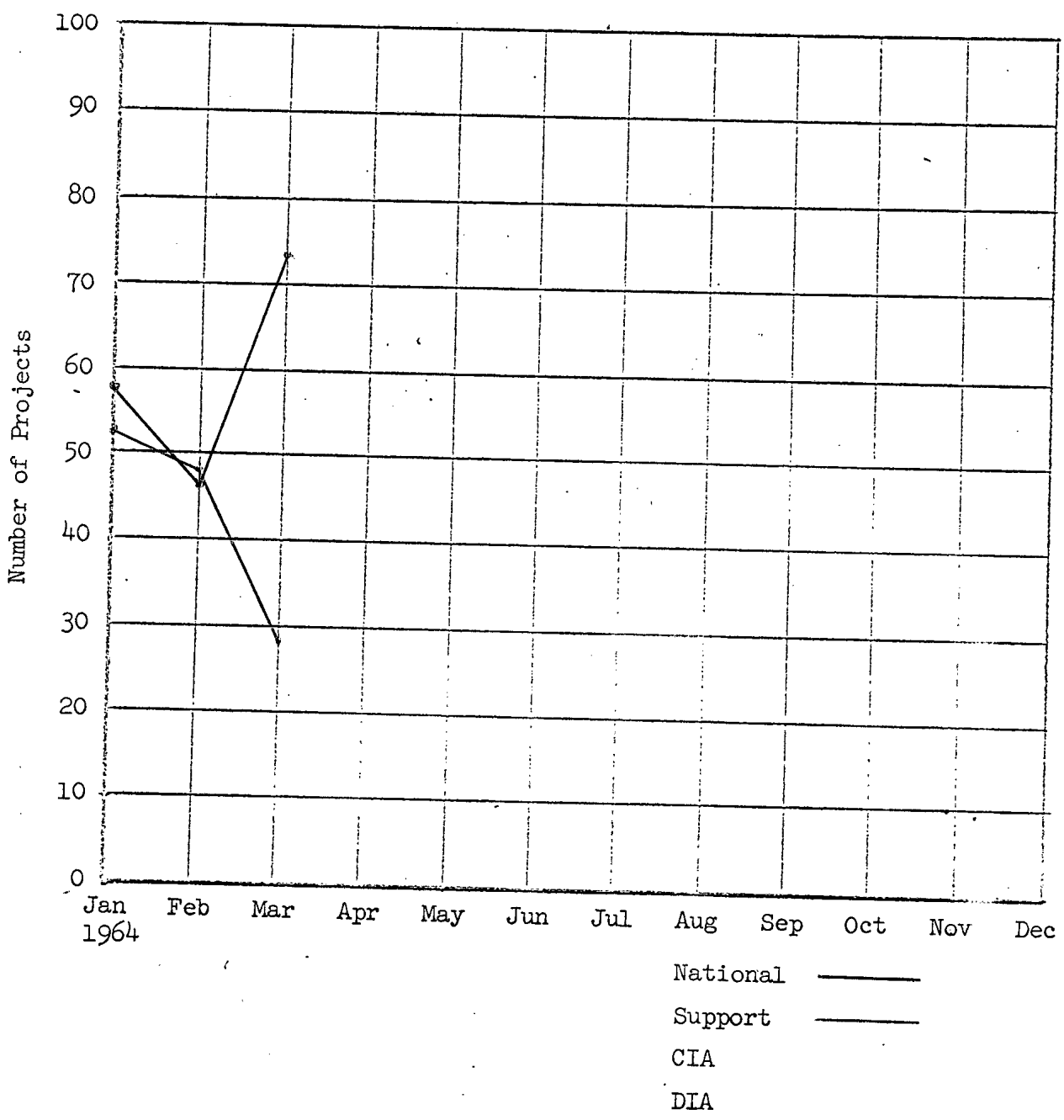
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TID  
TAB & TSB Projects by Month  
Received  
1964



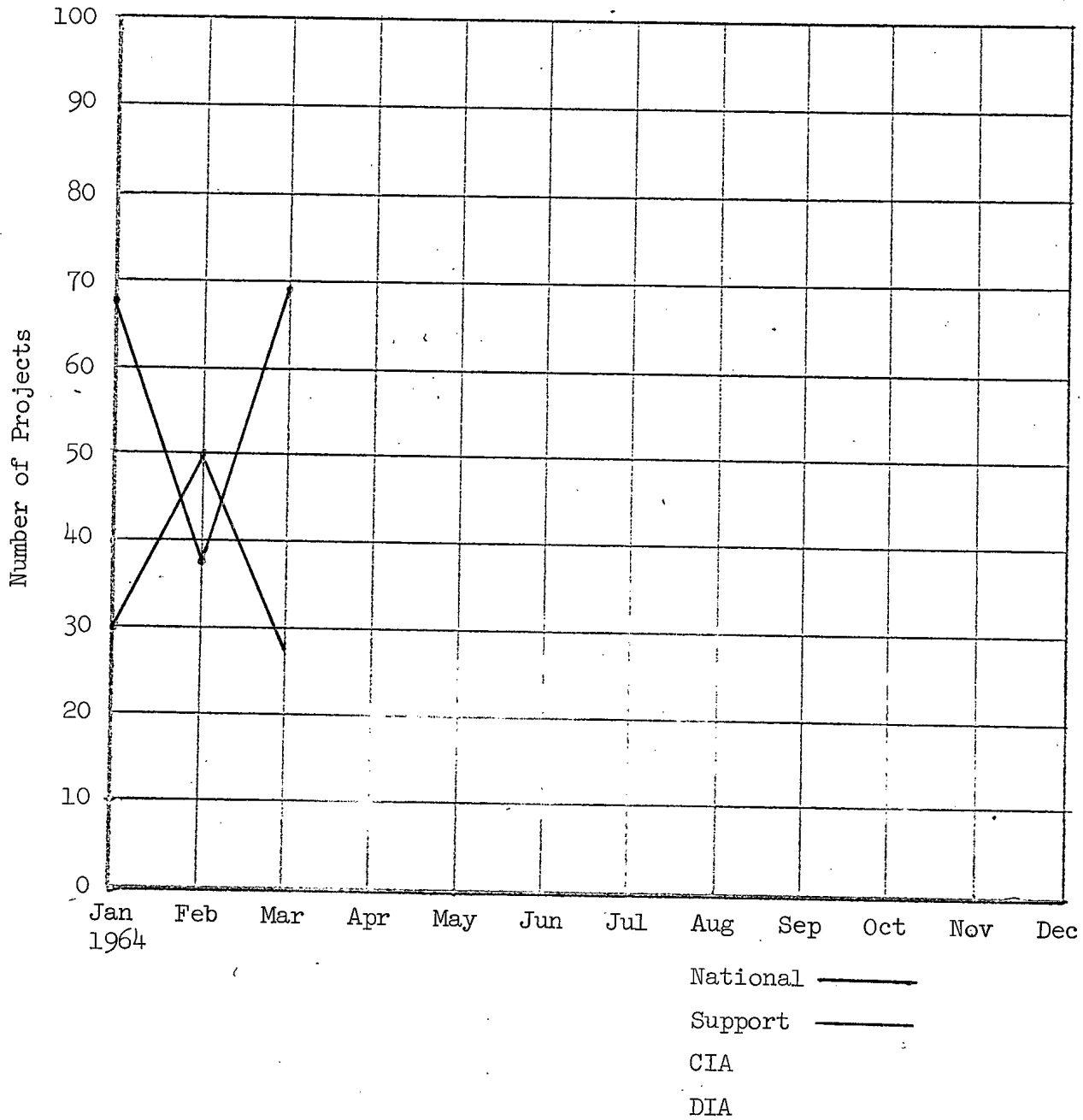
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TID  
TAB & TSB Projects by Month  
Completed  
1964



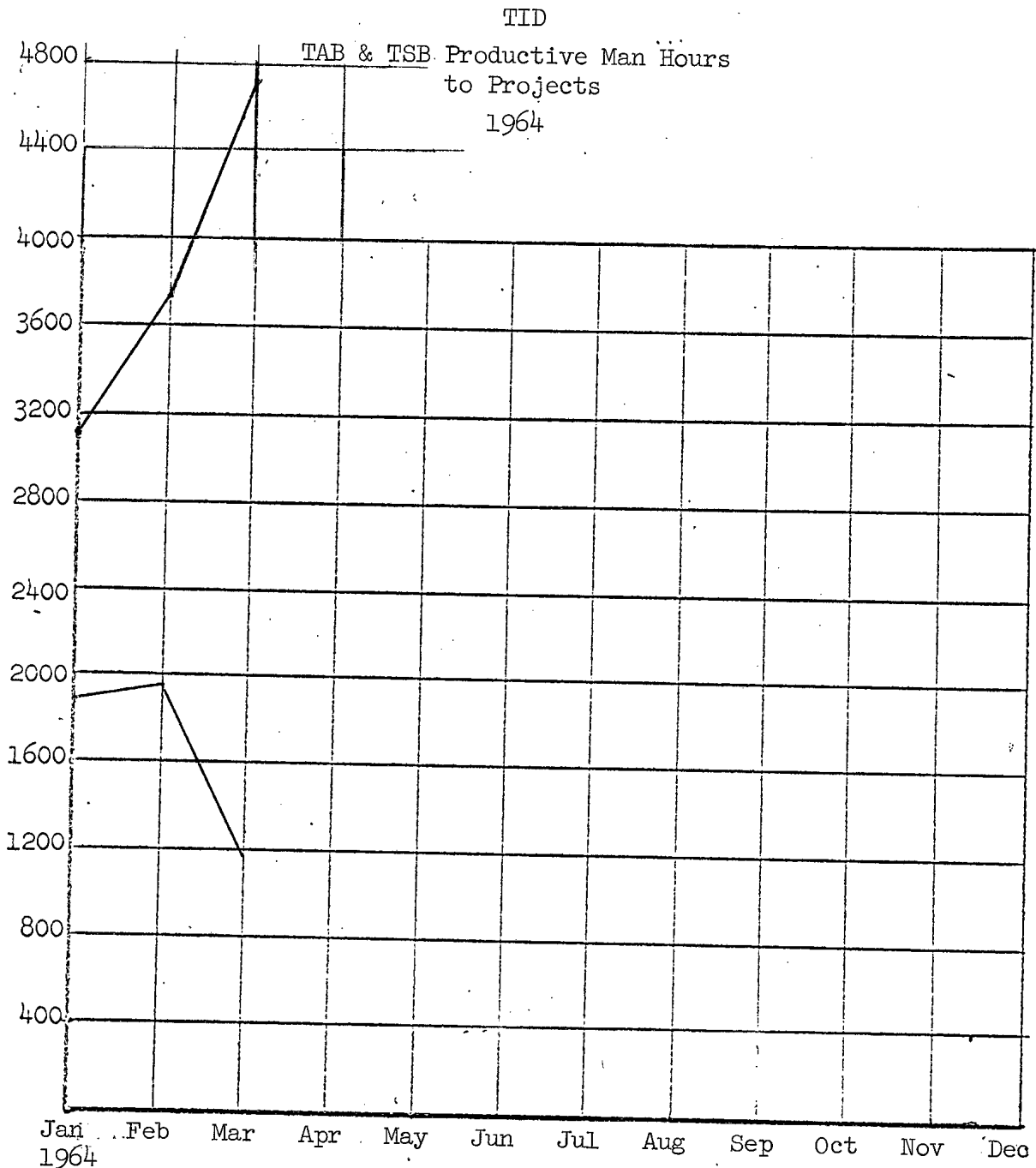
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C

Man Hour



National ———  
Support - - - -  
CIA  
DIA

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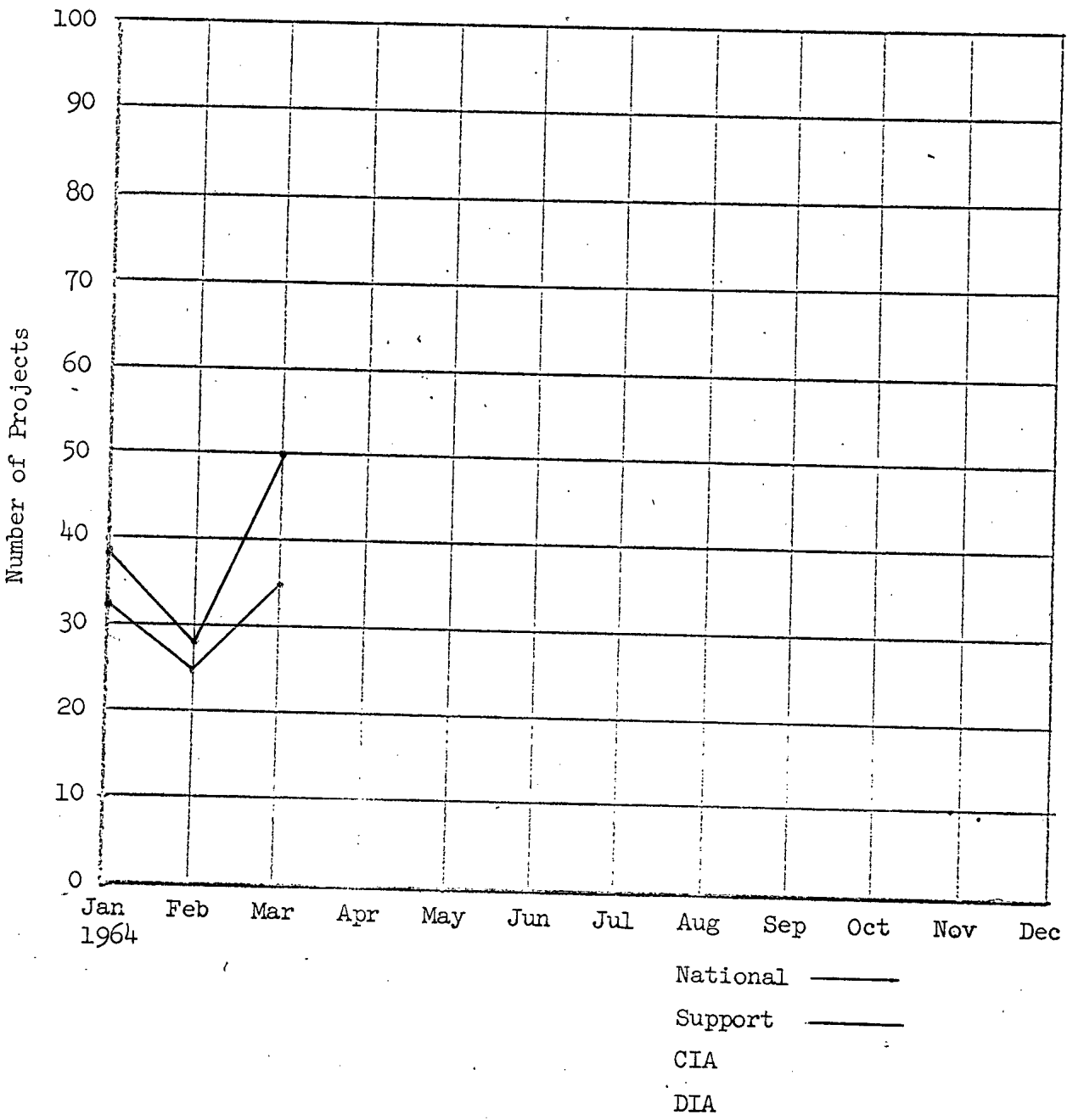
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TID

TAB & TSB Projects by Month  
Uncompleted  
1964

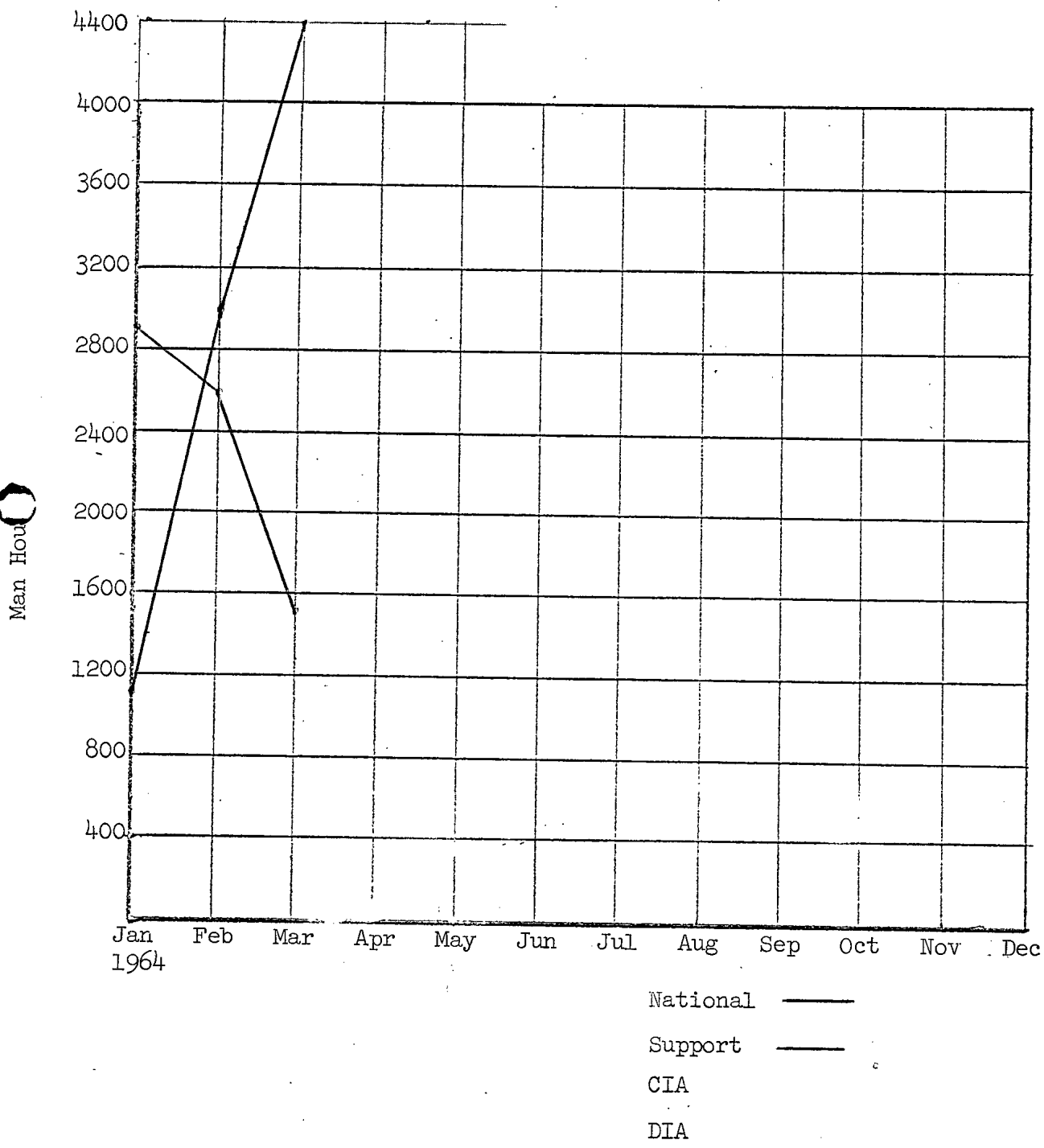


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TID  
TAB & TSB Estimated Man Hours  
Required to Complete Uncompleted  
Projects  
1964



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Month March 1964PROJECT SUMMARY  
For Computer Branch

Projects				Instrument Pointings for Measure- ments	Project Man Hours this Month			Total M/H 4721	Uncompleted Projects			
Received		Completed			Reg. Time	O.T.	Total Time	% of Total	As of.- 1 April		Average Last <u>3</u> Mo.	
In Mar	1 Jan to - 1 Apr	In Mar	1 Jan to - 1 Apr							Est. Man Hours		Est. Man Hours
					3440	159	3599	83%	No.		No.	

3440

159

3599

83%

No.

Est.  
Man  
Hours

No.

Est.  
Man  
Hours

National Total													
OAK													
Imm													
Detail													
Other													

Support Total	5	17	1	5		3440	159	3599	83%	16	30500	16.5	27200
NPIC	5	17	1	5		3440	159	3599	83%	16	30500	16.5	27200
CIA													
DIA													
SPAD													
Other													

National - Support Total	5	17	1	5		3440	159	3599	83%	16	30500	16.5	27200
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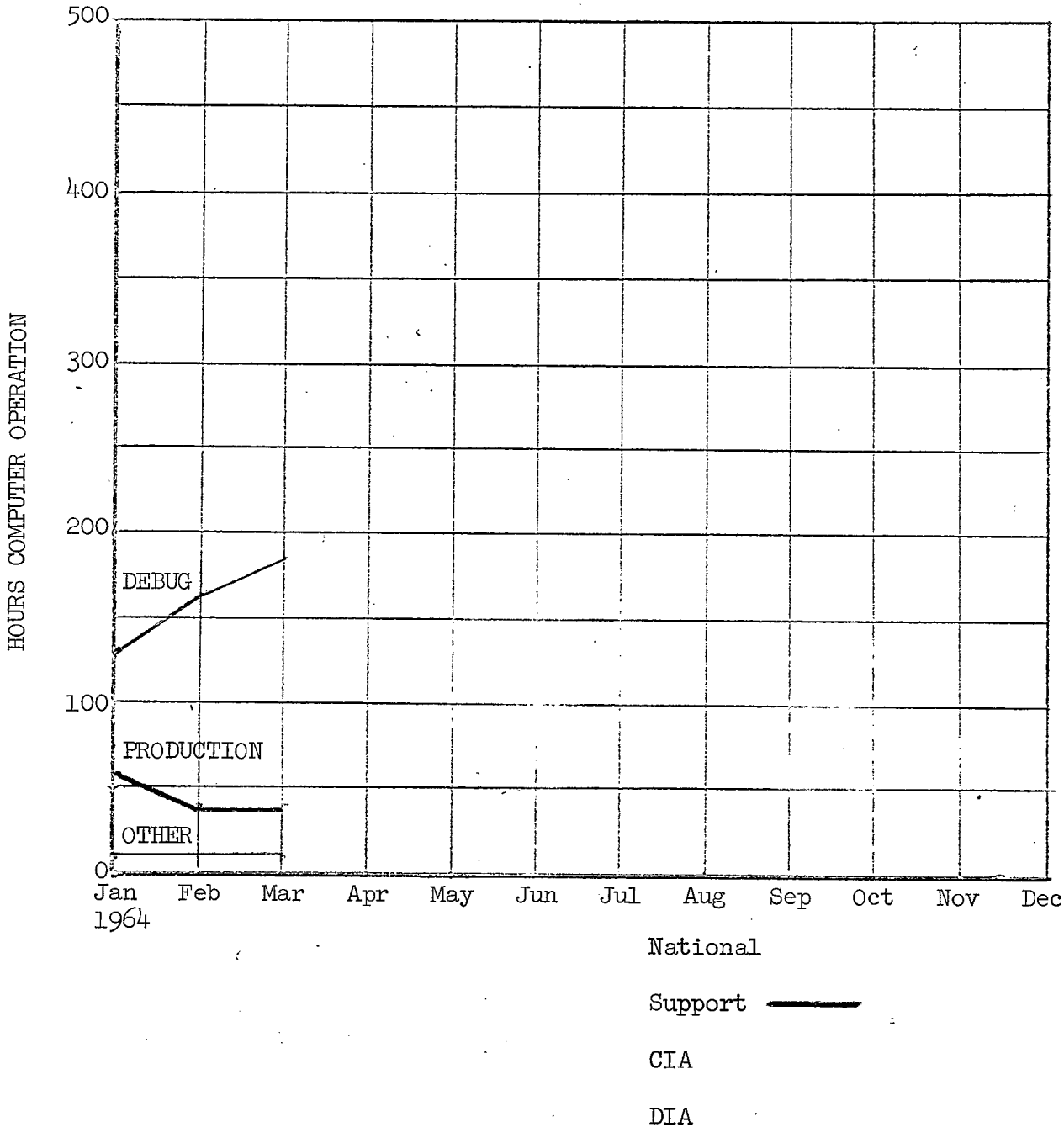
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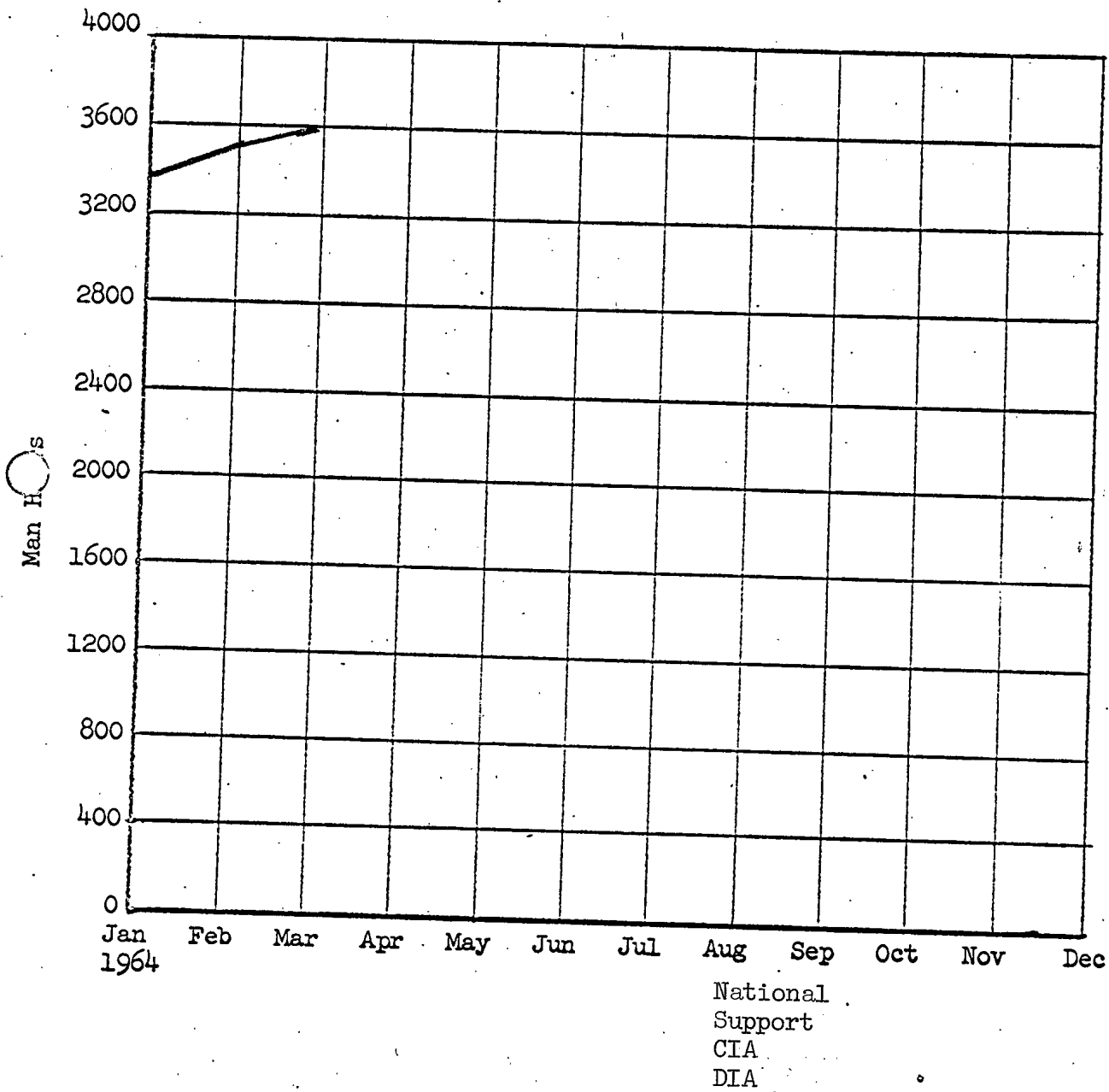
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TID/CB  
490 Operating Time  
Summary



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TID/CB  
Productive Man Hours  
to Projects



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TID/CB  
Projects by Month  
Uncompleted  
1964

